

REMARKS

Claims 1, 5, 6, 9-11, 14-16, 20-24 and 27-29 are pending. The specification and drawings are amended herein.

The attached paper copy and computer-readable copy of the Sequence Listing are submitted in compliance with 37 C.F.R. §§1.821-1.825. The contents of the paper copy and the computer-readable copy of the Sequence Listing are the same. No new matter is added. Support for the information provided in the Sequence Listing can be found in the previous Sequence Listing and in the specification on page 5, line 21, and page 10, line 25.

Original Figures 1a-b, 10 and 11a-b are replaced with new Figures 1A-D, 10A-B and 11A-F herein. New Figures 10A-B incorporate the changes proposed in the Request for Approval of Drawing Corrections filed August 29, 2001, which was approved in the Office Action mailed January 6, 2004. In addition, Figures 1a-b, 10 and 11a-b have been renumbered as Figures 1A-D, 10A-B and 11A-F to avoid the reference in the Figures to a continued Figure. See, for example, the second sheet of original Figure 1a, which is labeled Fig. 1a (cont.).

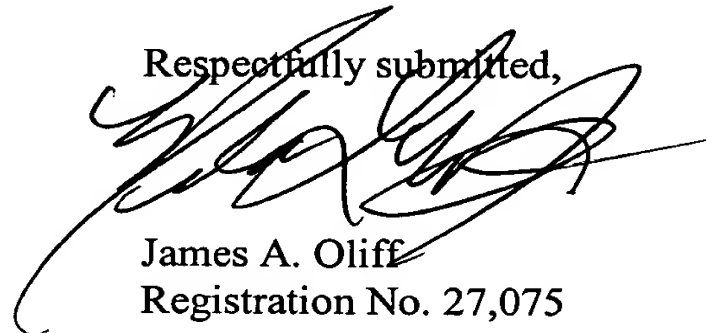
Furthermore, original Figure 1b, which has been renumbered as Figure 1D herein, has also been amended to delete the "Z" at the end of the sequence and a corresponding change has been made to SEQ ID NO: 6 in the Sequence Listing. As described in the specification, original Figure 1b (now Figure 1D) shows the amino acid sequence of human ThR, which is SEQ ID NO: 6 in the Sequence Listing. In addition, Figure 1a (now Figures 1A-C) shows the DNA sequence of human ThR, which is SEQ ID NO: 5 in the Sequence Listing. Page 6, line 1. As shown in SEQ ID NO: 5 of the Sequence Listing filed herewith, SEQ ID NO: 5 encodes for the amino acid sequence of Figure 2 without the Z at the end of the sequence. See the stop codon at nucleotides 1500-1502 of SEQ ID NO: 5. Thus, including this Z in Figure 2, as well as in SEQ ID NO: 6 in the previous Sequence Listing, is a clear error, the correction of which does not add new matter.

The specification is amended herein to correct the discrepancy between SEQ ID NO: 7 and the description at page 8, lines 26-27. In particular, the description at page 8, lines 26-27, has been amended to conform to SEQ ID NO: 7, which is the sequence recited in Figure 2. In addition, the specification has been amended herein to add sequence identifiers and to conform to the renumbered drawing sheets.

In view of the foregoing, it is respectfully submitted that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1, 5, 6, 9-11, 14-16, 20-24 and 27-29 are earnestly solicited.

Should the Examiner believe that anything further would be desirable in order to place this application in even better condition for allowance, the Examiner is invited to contact the undersigned at the telephone number set forth below.

Respectfully submitted,



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JAO:MLM/jam

Attachments:

Notice to Comply
Sequence Listing (paper and computer-readable copies)
Replacement Drawing Sheets

Date: September 15, 2005

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<p>DEPOSIT ACCOUNT USE AUTHORIZATION Please grant any extension necessary for entry; Charge any fee due to our Deposit Account No. 15-0461</p>

Amendments to the Drawings:

The attached replacement drawing sheets makes changes to Figs. 1a-b, 10 and 11a-b and replaces original Figs. 1a-b, 10 and 11a-b with new Figs. 1A-D, 10A-B and 11A-F.

Attachment: Replacement Sheets